25U – Mechanical Joint Tapping Sleeve For Ductile Iron, Cast Iron, and C900 PVC Pipe

Revised 6/2016

DOMESTIC

SUBMITTAL: Mechanical Joint Tapping Sleeve

(Current revisions for the noted Standards apply)

SIZES: For 6" through 12" PVC/Ductile pipe per ANSI/AWWA C900 or C151 & Cast iron pipe as

provided. Comes with 4"-12" side flanged outlet & 3/4" tap on the branch.

STANDARDS: Mechanical and *Flanged joints comply with applicable requirements of ANSI/AWWA

C153/21.53 and ASME/ANSI B16.1. Ductile iron Mechanical Joint Tapping Sleeves are produced

in accordance with Tyler Union manufacturer's standard.

Note: Recess dimensions are per Manufacturer's standardization Society standard practice SP-60.

Meets the requirements of MSS SP-111

MATERIAL: Cast of ASTM A536 qualified ductile iron. Date code is cast on and required for traceability.

PRESSURE RATING: Rated at 250 psi.

DEFLECTION: Deflection is not recommended

GASKETS: SBR Mechanical Joint and Split gaskets are per ASTM D2000 – AA and ANSI/AWWA C111/21.11, armor

tipped with coiled brass wire spring.

NSF-61 & NSF372: Meets all requirements including Annex G, Tyler Union's Underwriters Laboratory listing MH16439.

ASPHALT COATING: Per ANSI/AWWA C104/A21.4 and ANSI/AWWA C153/A21.53.

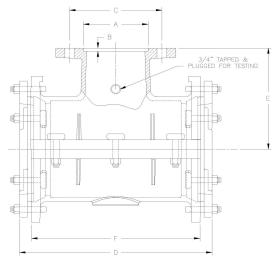
CEMENT LINING: Tapping Sleeves are unlined to ensure they fit over the pipe being tapped.

FLANGE: ASME/ANSI B16.1, Class 125

FASTENERS: High strength low alloy weathering steel per ANSI/AWWA C111/A21.11 and ASTM A242

INSTALLATION: Install per Tyler Union instructions below.

- Clean pipe, insert side gasket into back half of gasket grooves. Make sure ends are flush with or slightly protrude into the end gasket seating area.
- Bolt sleeve halves together and trim side gaskets as necessary. MAKE SURE SLEEVE WILL ROTATE FREELY ON PIPE.
- Install end gaskets, locating cut ends 90° from side gasket If pipe is maximum OD, stretch gasket to make certain cut ends match with no gap in between.
- Install glands and bolts-rotate sleeve to desired position. Be sure pipe is centered inside the sleeve.
- Tighten gland bolts alternately, using 80 to 90 foot pounds.
- After assembly, PRESSURE TEST ALL
 JOINTS BEFORE TAPPING. If additional
 tightening is required, release pressure and
 relax tension on gland bolts before tightening
 side bolts.



NOMINAL JOINT DIMENSIONS IN INCHES

Size	Α	В	С	D	E	F	Pipe OD Range	DI
6x4	5.016	0.250	7.50	15.75	8.00	12.75	6.85 - 7.15	104
6	7.016	0.312	9.50	15.75	8.00	12.75	6.85 - 7.15	108
8x4	5.016	0.250	7.50	16.50	9.00	13.38	9.00-9.35	134
8x6	7.016	0.312	9.50	16.50	9.00	13.38	9.00-9.35	140
8	9.016	0.312	11.75	16.50	9.00	13.38	9.00-9.35	148
10x4	5.016	0.250	7.50	24.00	11.00	20.75	11.04-11.45	236
10x6	7.016	0.312	9.50	24.00	11.00	20.75	11.04-11.45	240
10x8	9.016	0.312	11.75	24.00	11.00	20.75	11.04-11.45	246
10	11.016	0.312	14.25	24.00	11.00	20.75	11.04-11.45	257
12x4	5.016	0.250	7.50	26.50	12.00	23.25	13.14-13.56	273
12x6	7.016	0.312	9.50	26.50	12.00	23.25	13.14-13.56	286
12x8	9.016	0.312	11.75	26.50	12.00	23.25	13.14-13.56	292
12x10	11.016	0.312	14.25	26.50	12.00	23.25	13.14-13.56	303
12	13.016	0.312	17.00	26.50	12.00	23.25	13.14-13.56	320